

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

03811

SHEET 1 OF 1

DWG NO. 647.1900

REV: N/C

PREPARED BY

B. PETERS

DATE: 02/13/13

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: BRACKETS

APPROVED BY:

ENGR

[Signature]

MFG

[Signature]

QC

[Signature]

EFF.

NEXT ORDER

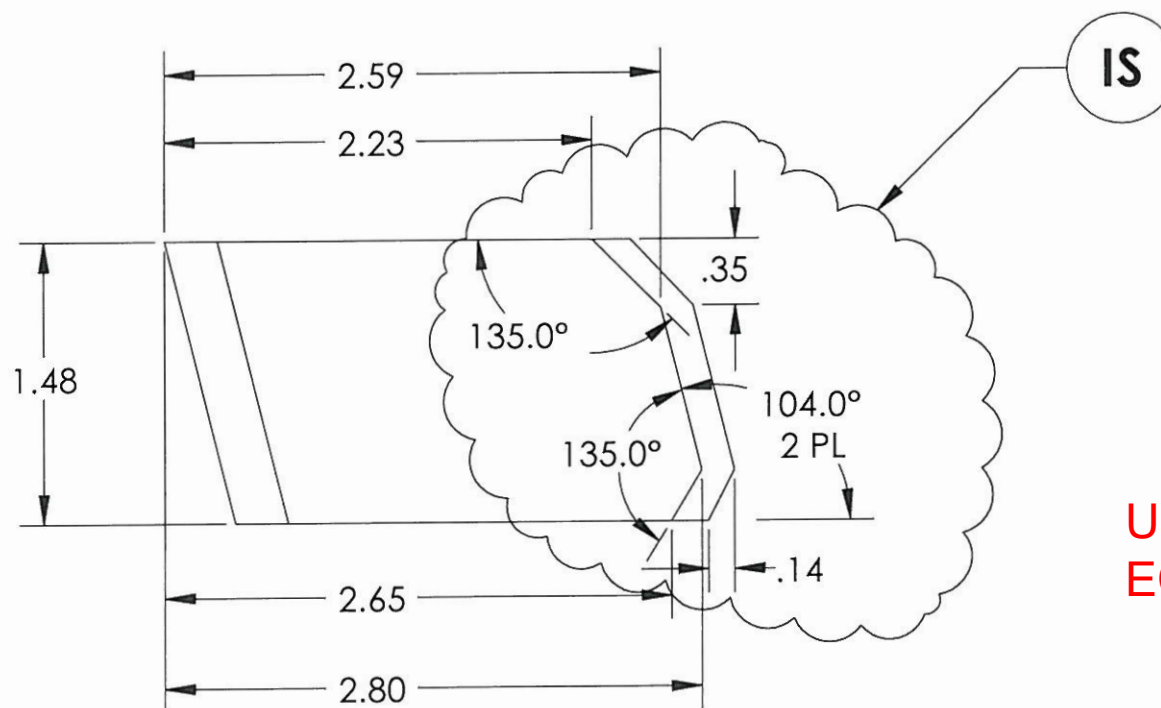
TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CORRECTED DIMENSION CONFLICT & INCORPORATED ECN 03699.

ECR:

13-06

SHEET 2, ZONE C3 IS:



UNDER REVIEW
ECR: HB ECR 145

DOCUMENTS EFFECTED:




☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03699				SHEET 1 OF 1	
	DWG NO. 647,1900	REV: N/C	PREPARED BY B. PETERS	DATE: 11/15/12	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: BRACKETS					
	APPROVED BY: ENGR 	MFG 	QC 	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: ADDED ALTERNATE MATERIAL.				ECR: D-12-018	

IS →

⚠ PRIMARY MATERIAL: 7075-T651 ALUMINUM PER AMS-QQ-A-250/12.
ALTERNATE MATERIAL: 7075-T6511 ALUMINUM PER AMS-QQ-A-200/11.

UNDER REVIEW
ECR: HB ECR 145

SHEET 1, ZONE A2 IS:

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED: <input type="checkbox"/> RFMS <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUCC <input type="checkbox"/> ICA <input type="checkbox"/> BOM					CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

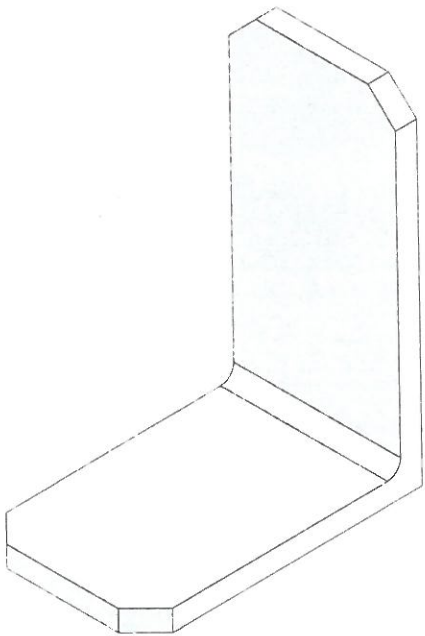
1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR1		IN/C
N/C	INITIAL RELEASE	06/01/09	P BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
- 3 DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120



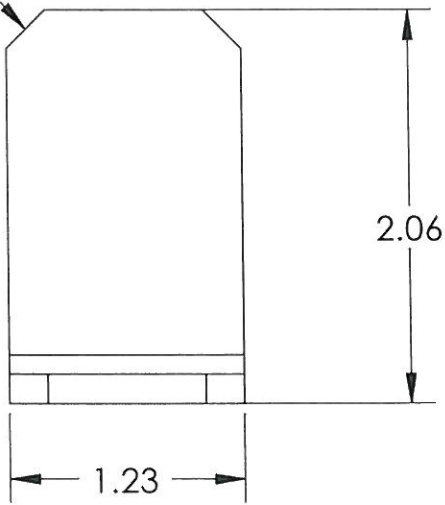
647.1910

UNDER REVIEW
ECR: HB ECR 145

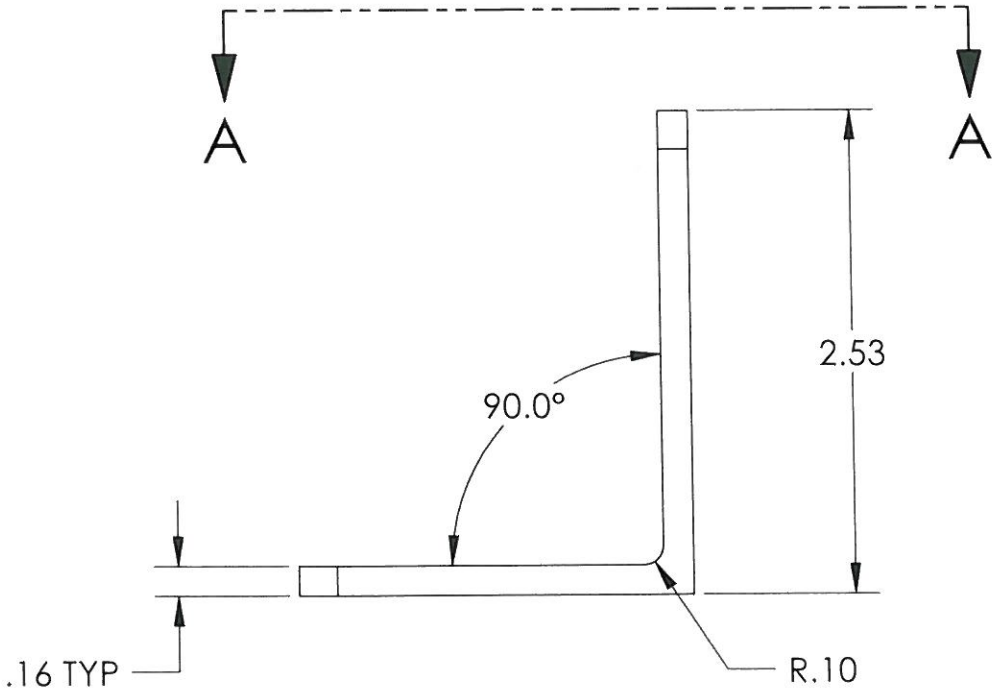
UNINCORPORATED ECN(s)

03699, 03811

.20 X 45.0°
4 PL

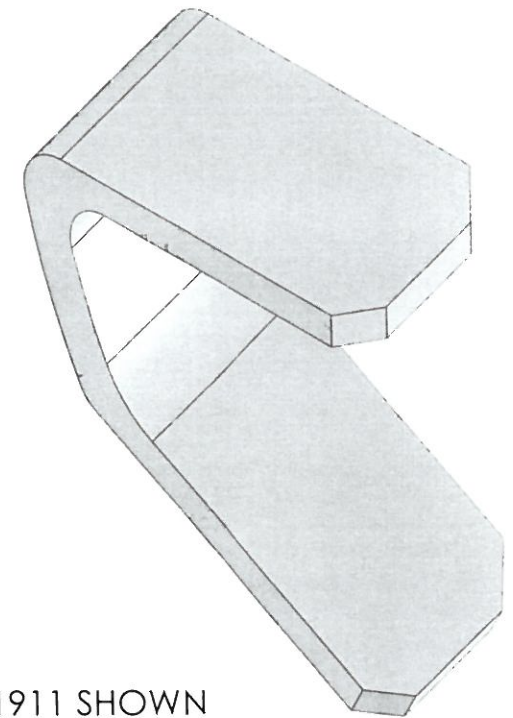
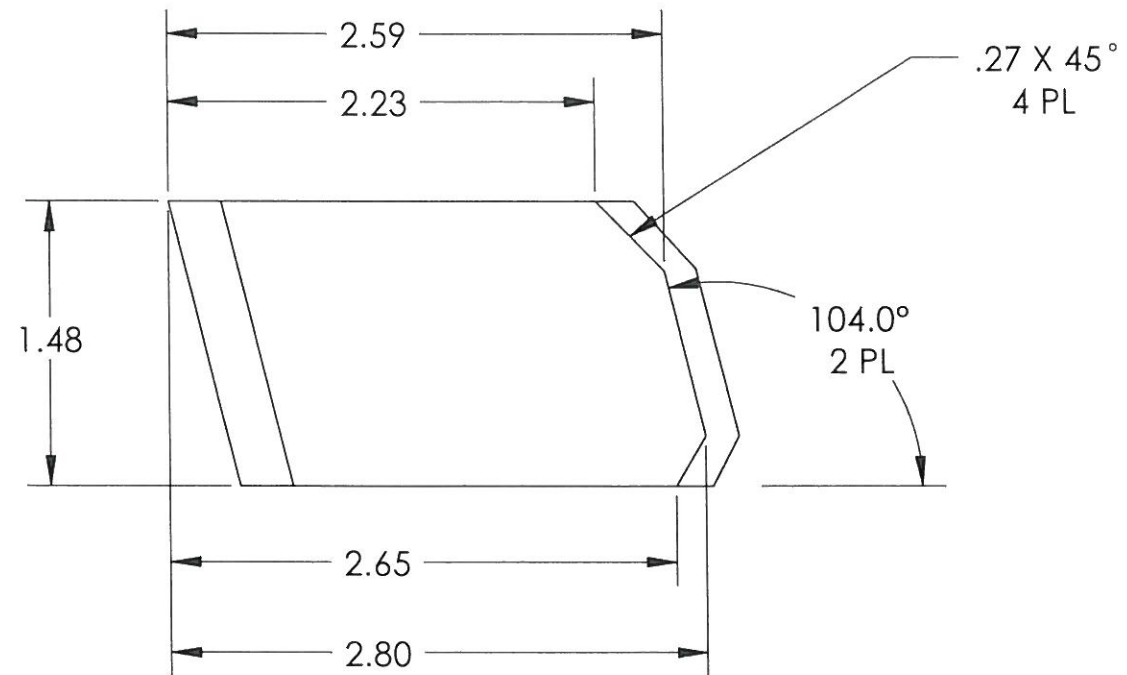


SECTION A

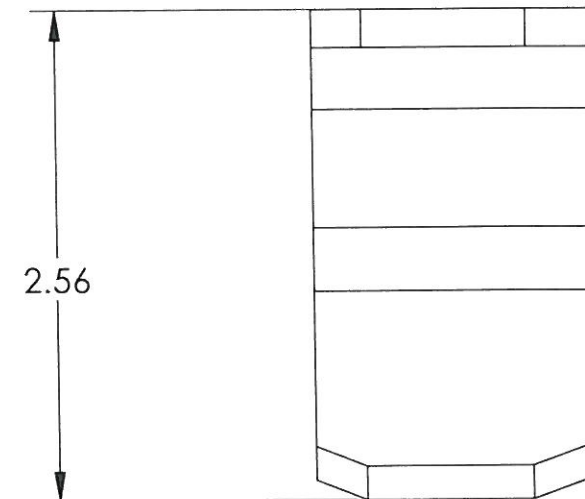
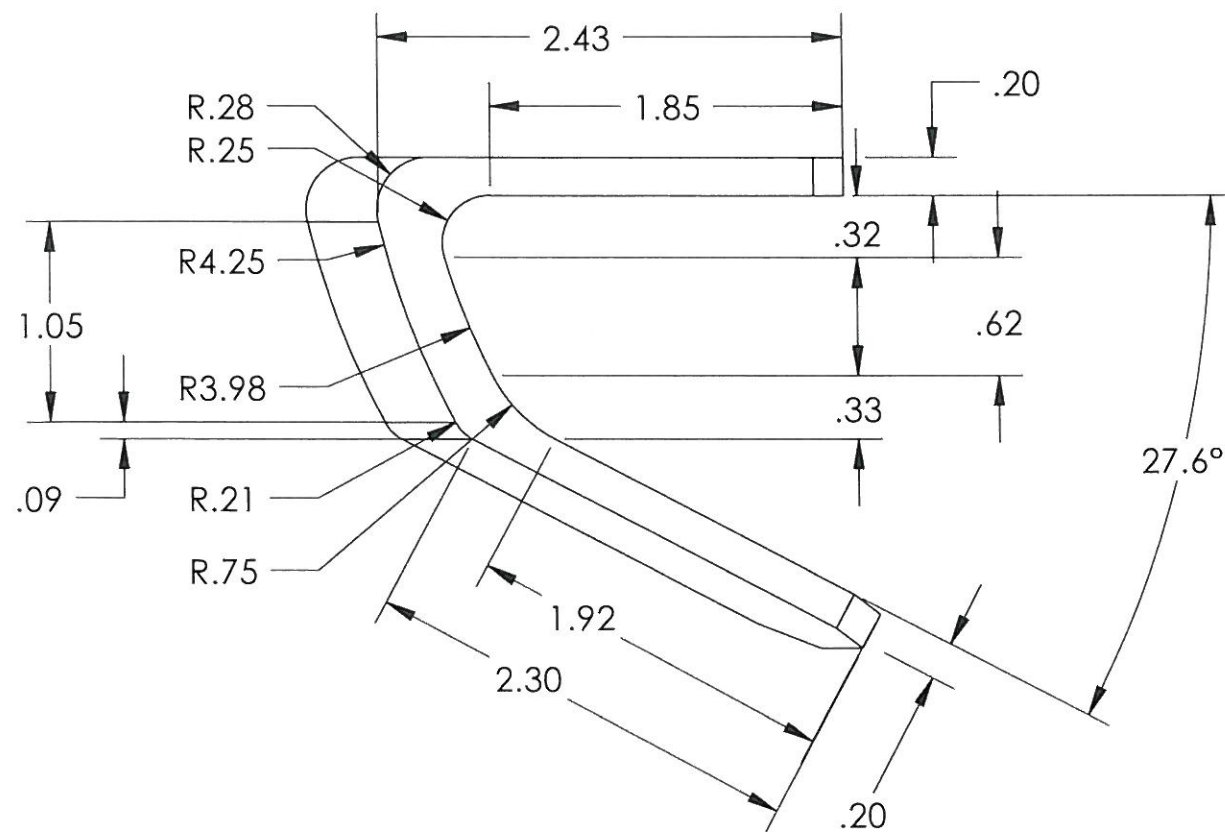


			647.1915	SUPPORT ANGLE		
			647.1914	BRACKET		
			647.1913	TEE		
			647.1912	BRACKET, LH		
			647.1911	BRACKET, RH		
			647.1910	CLIP		
		FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST			
NEXT ASSY (S)			APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300			
647.1300						
			BRACKETS			
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± 5°			
			SIZE B CAGE CODE DWG. NO. REV.			
			07M26 647.1900 N/C			
			SCALE NONE SHEET 1 OF 5			

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647.1911 SHOWN
647.1912 OPPOSITE



UNDER REVIEW
ECR: HB ECR 145

ORIGINAL DATE (MO-DA-YR) 06-01-09		APICAL INDUSTRIES		
DRAWN BY J. GARDNER	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300		
DRAWING APPROVAL P. BRAVO		BRACKETS		
CONTRACT NO.		SIZE B	CAGE CODE 07M26	DWG. NO. 647.1900
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± 5°		SCALE NONE	REV. N/C	SHEET 2 OF 5

1 2 3 4 5 6 7 8

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A

B

C

D

.63 X 45.0°
4 PL

Ø.201
2 PL

.13

2.00

647.1913

.500

6.275

2.250 ± .002

14.80

.25 X 45.0°
2 PL

1.25

.13

R.05
4 PL

R.10
2 PL

UNDER REVIEW
ECR: HB ECR 145

ORIGINAL DATE
1/10/01-01/01/01
DRAWN BY
J. GARDNER
CHECKED
P. BRAVO
DRAWING APPROVAL
P. BRAVO
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE
2 PLACE DECIMALS ± .01
3 PLACE DECIMALS ± .005
ANGLES ± 5°

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

BRACKETS

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.1900	N/C
SCALE: NONE			SHEET 3 OF 5

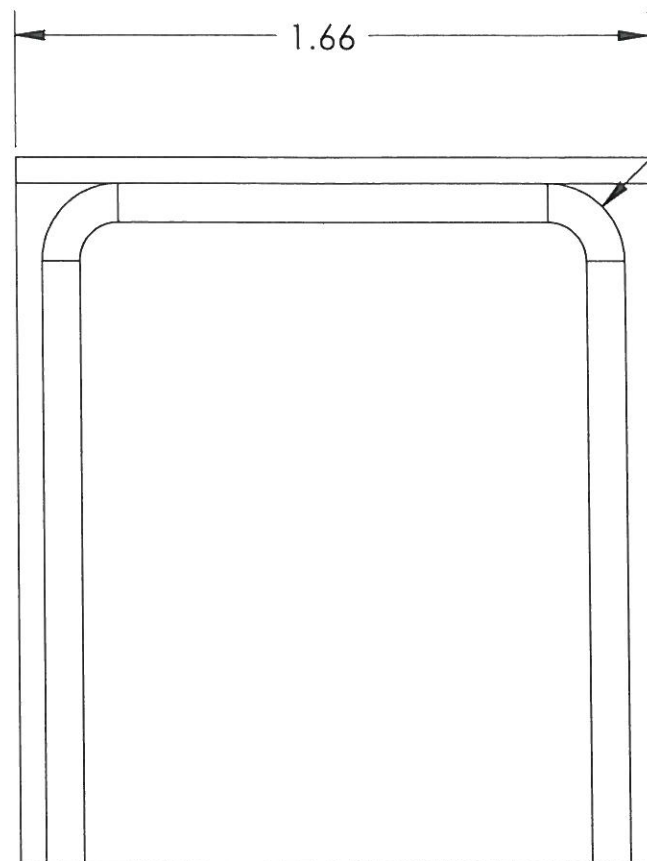
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A

B

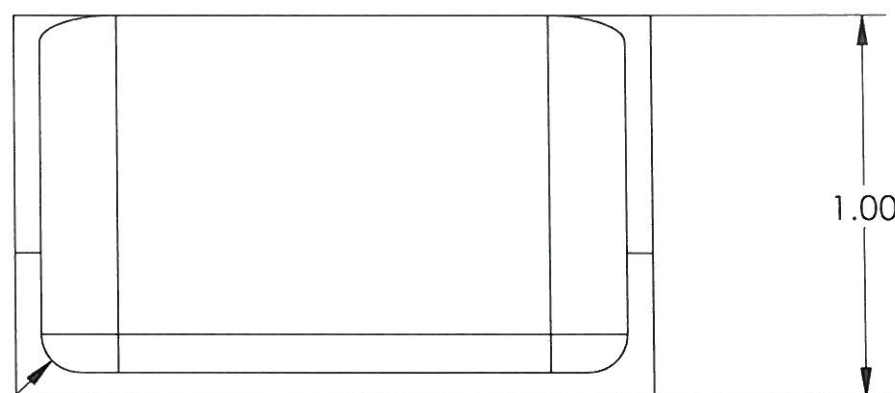
C

D

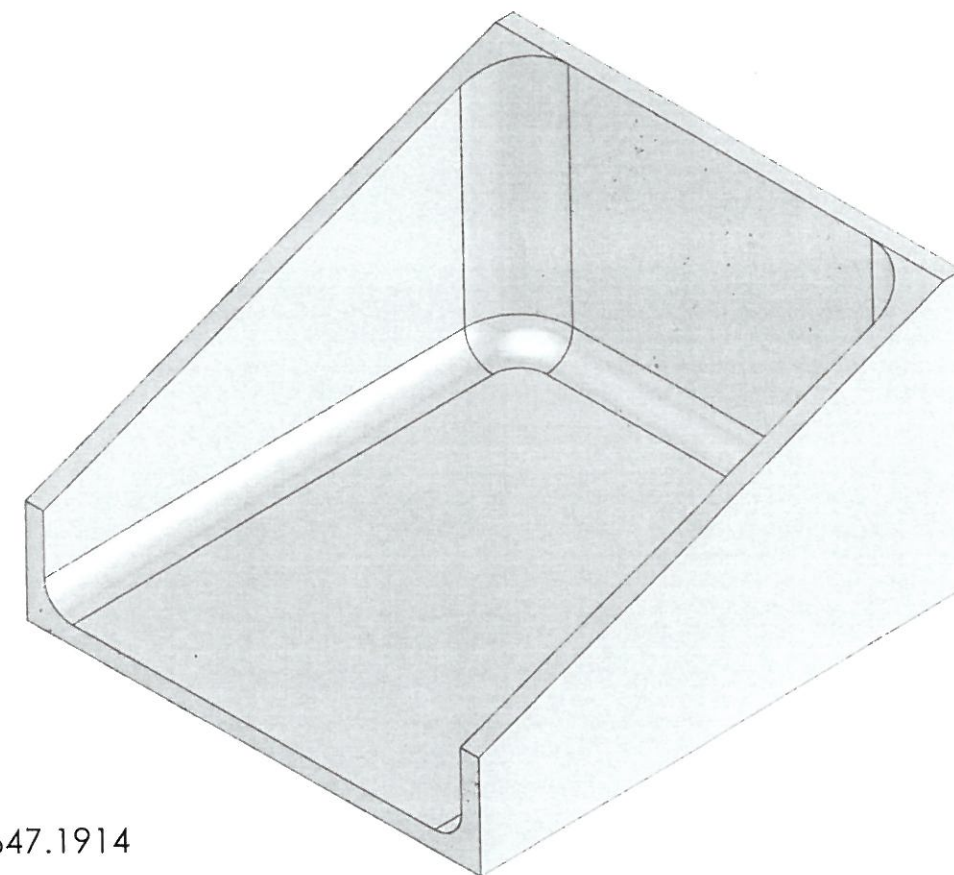


R.20 2 PL

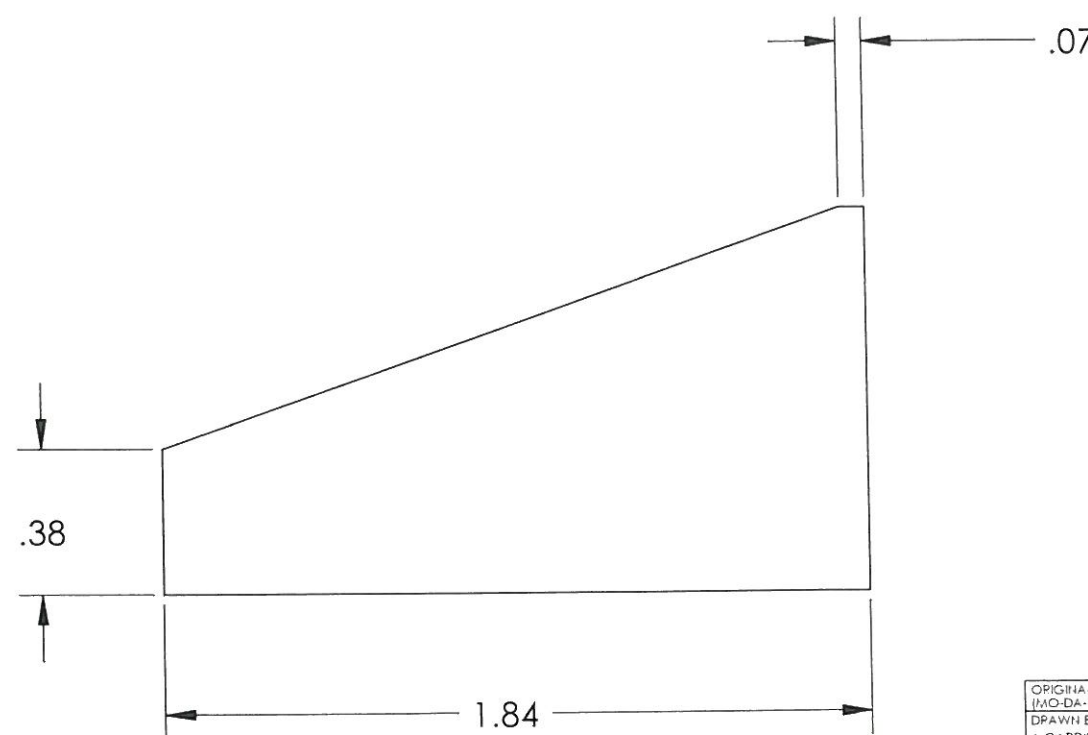
.07
2 PL



R.10
2 PL



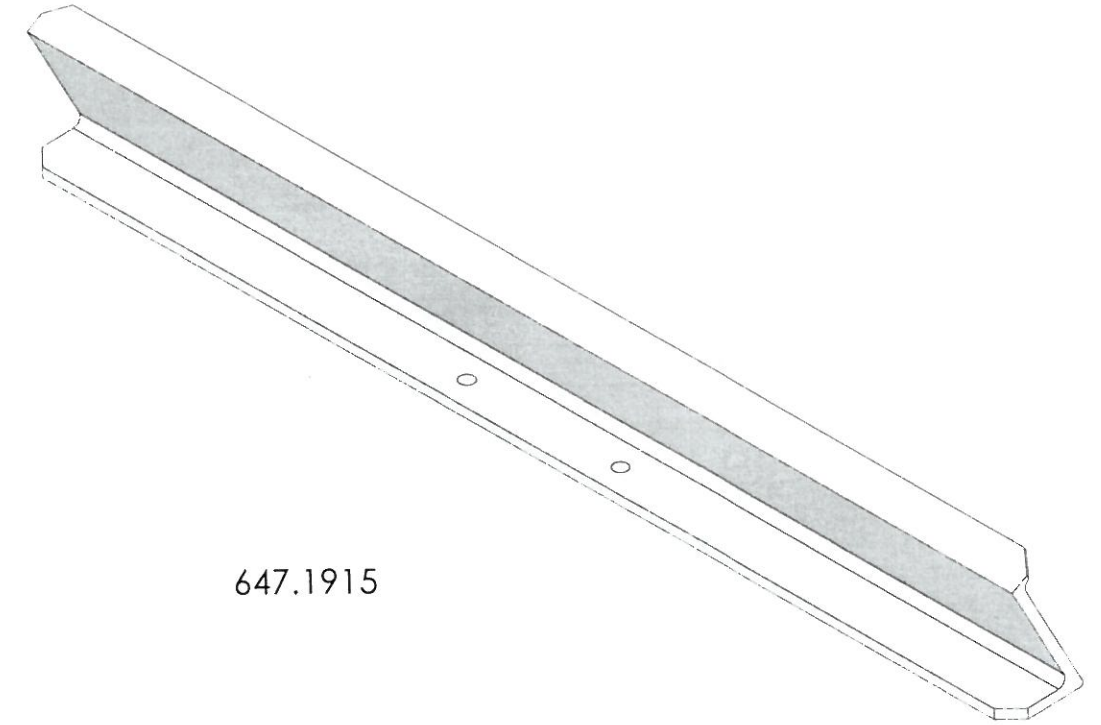
647.1914



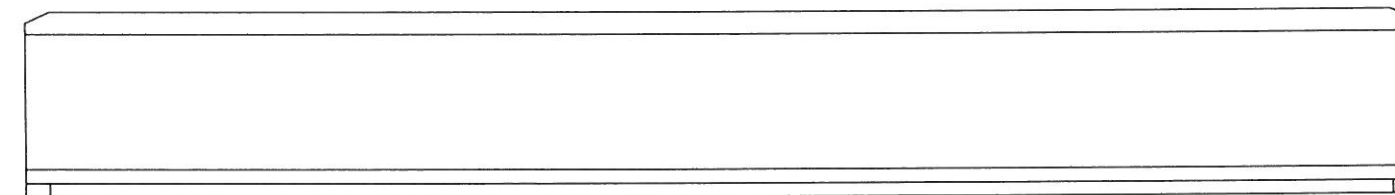
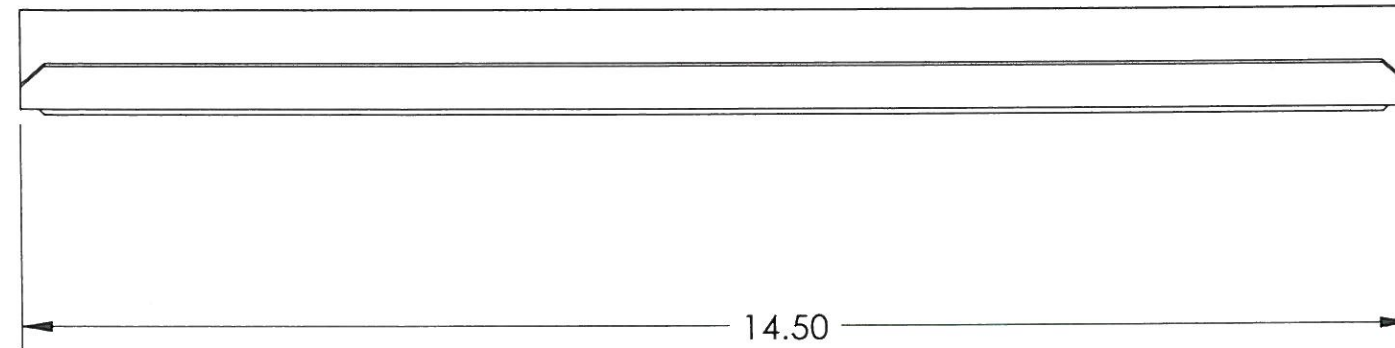
UNDER REVIEW
ECR: HB ECR 145

ORIGINAL DATE (MO-DA-YR) 06-01-09		APICAL INDUSTRIES	
DRAWN BY J. GARDNER	CHECKED P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. BRAVO		BRACKETS	
CONTRACT NO.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		CAGE CODE 07M26	DWG. NO. 647.1900
		SCALE NONE	SHEET 4 OF 5

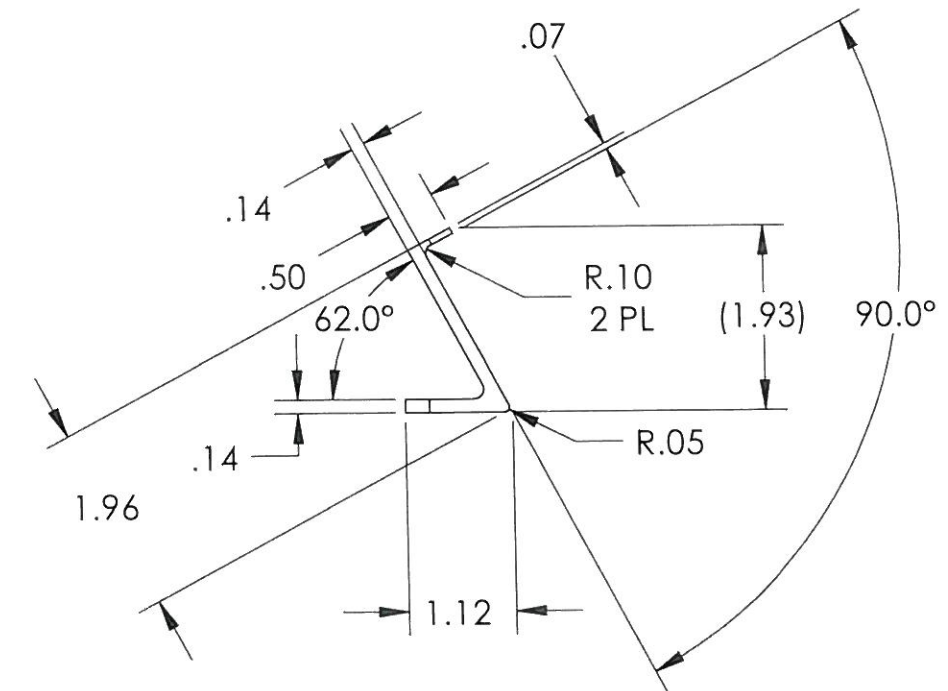
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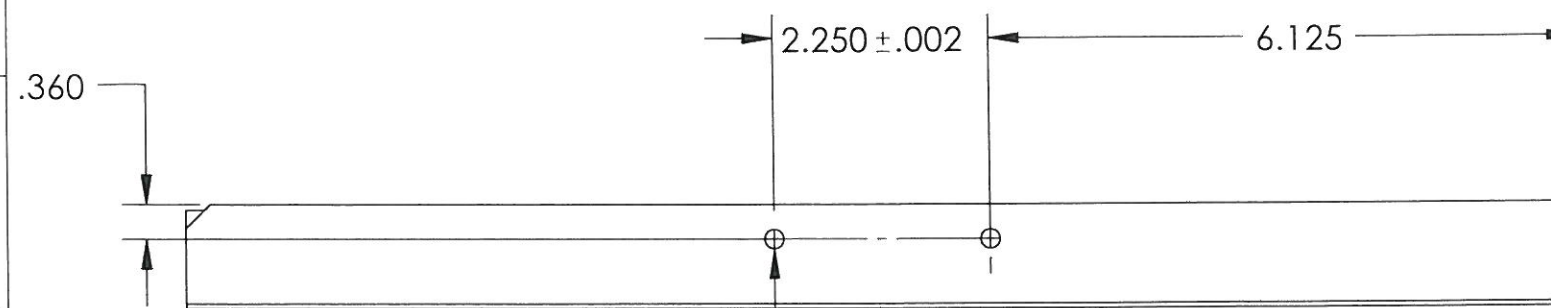
647.1915



14.50



UNDER REVIEW
ECR: HB ECR 145



.25 X 45.0°
4 PL

Ø .201 THRU
2 PL

ORIGINAL DATE (I/O-DA-YR) 06-01-09		APICAL INDUSTRIES		
DRAWN BY J. GARDNER	CHECKED BY P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300		
DRAWING APPROVAL P. BRAVO		BRACKETS		
CONTRACT NO.		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1900
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SCALE: NONE	REV. N/C	SHEET 5 OF 5